

06-27-01

A

Please type a plus sign (+) inside this box [+]

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 4730/TCG/TPG/OTHER/LE

(maximum 12 characters)

First Named Inventor Steven Verhaverbeke et al.Title: METHOD AND APPARATUS FOR CHEMICAL MIXING IN A SINGLE WAFER PROCESSExpress Mail Label No. EL 672 746 836 USJc973 U.S. PTO
09/891833

ADDRESS TO: **Assistant Commissioner for Patents**
Box Patent Application
Washington, D. C. 20231

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. X **Fee Transmittal Form (e.g., PTO/SB/17)**
(Submit an original, and a duplicate for fee processing)
2. **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3. X **Specification (Total Pages 13)**
(preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference sequence listing, a table,
 or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. X **Drawings(s) (35 USC 113) (Total Sheets 5)**
5. X **Oath or Declaration (Total Pages 4)**
 - a. Newly Executed (Original or Copy)
 - b. Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 17 completed)
 - i. DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
 - c. X Unsigned.
6. **Application Data Sheet. (37 CFR 1.76)**
7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statement verifying identity of above copies

06/25/01
 J1093 U.S. PTO

09894833 062401

THE UNIVERSITY OF CHICAGO

- 18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority. For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18B. Statement under 37 C.F.R. 3.75(b) for continuing application.

The undersigned states that _____ (name of assignee) is the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an assignment recorded in the Patent and Trademark Office at Reel No. _____ Frame No. _____ (or a copy of which is attached).

_____ Customer Number or Bar Code Label _____
or (Insert Customer No. or Attach Bar Code Label here)
X Correspondence Address Below

Country U.S.A. TELEPHONE (408) 720-8300 FAX (408) 720-9397

- 2 -

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Code</u>	<u>Fee (\$)</u>	<u>Code</u>	<u>Fee (\$)</u>		
105	130	205	65	Surcharge - late filing fee or oath	_____
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	_____
139	130	139	130	Non-English specification	_____
147	2,520	147	2,520	For filing a request for ex parte reexamination	_____
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	_____
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	_____
115	110	215	55	Extension for reply within first month	_____
116	390	216	195	Extension for reply within second month	_____
117	890	217	445	Extension for reply within third month	_____
118	1,390	218	695	Extension for reply within fourth month	_____
128	1,890	228	945	Extension for reply within fifth month	_____
119	310	219	155	Notice of Appeal	_____
120	310	220	155	Filing a brief in support of an appeal	_____
121	270	221	135	Request for oral hearing	_____
138	1,510	138	1,510	Petition to institute a public use proceeding	_____
140	110	240	55	Petition to revive - unavoidable	_____
141	1,240	241	620	Petition to revive - unintentional	_____
142	1,240	242	620	Utility issue fee (or reissue)	_____
143	440	243	220	Design issue fee	_____
144	600	244	300	Plant issue fee	_____
122	130	122	130	Petitions to the Commissioner	_____
123	50	123	50	Processing fee under 37 CFR 1.17(q)	_____
126	180	126	180	Submission of Information Disclosure Stmt	_____
581	40	581	40	Recording each patent assignment per property (times number of properties)	_____
146	710	246	355	For filing a submission after final rejection (see 37 CFR 1.129(a))	_____
149	710	249	355	For each additional invention to be examined (see 37 CFR 1.129(b))	_____
179	710	279	355	Request for Continued Examination (RCE)	_____
169	900	169	900	Request for expedited examination of a design application	_____
195	300	195	300	Publication fee for early, voluntary, or normal publication	_____
196	300	196	300	Publication fee for republication	_____
194	130	194	130	Request for voluntary publication or republication	_____
098	130	098	130	Processing fee under 37 CFR 1.17(i)	_____
091	1,240	091	1,240	Acceptance of unintentionally delayed claim for priority	_____

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) \$0.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:Typed or Printed Name: Michael A. BernadicouSignature: Michael Bernadicou Date: 6/25/01Reg. Number: 35,934 Telephone Number: (408) 720-8300**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

EXPRESS MAIL CERTIFICATE OF MAILING

"Express Mail" mailing label number: EL672746836US

Date of Deposit: JUNE 25, 2001

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231

TERESA EDWARDS

(Typed or printed name of person mailing paper or fee)

Teresa Edwards

(Signature of person mailing paper or fee)

JUNE 25, 2001

(Date signed)

Serial/Patent No.: Not yet assigned

Filing/Issue Date: Herewith

Client: Applied Materials

Title: METHOD AND APPARATUS FOR CHEMICAL MIXING IN A SINGLE WAFER PROCESS

BSTZ File No.: 04887P451

Atty/Secty Initials: MAB/te

Date Mailed: JUNE 25, 2001

Docket Due Date: _____

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- ☐ Amendment/Response (____ pgs)
- ☐ Appeal Brief (____ pgs.) (in triplicate)
- ☒ Application - Utility (13 pgs., with cover and abstract)
- ☐ Application - Rule 1.53(b) Continuation (____ pgs)
- ☐ Application - Rule 1.53(b) Divisional (____ pgs)
- ☐ Application - Rule 1.53(b) CIP (____ pgs)
- ☐ Application - Rule 1.53(d) CPA Transmittal (____ pgs)
- ☐ Application - Design (____ pgs)
- ☐ Application - PCT (____ pgs)
- ☐ Application - Provisional (____ pgs.)
- ☐ Assignment and Cover Sheet
- ☒ Certificate of Mailing
- ☒ Declaration & POA (4 pgs)
- ☐ Disclosure Docs & Orig & Copy of Inventor's Signed Letter (____ pgs)
- ☒ Drawings 5 # of sheets includes 6 figures

- ☒ Express Mail No. EL672746836US ☒ Check No. 43419
- ☐ _____ Month(s) Extension of Time Amt \$870.00
- ☐ Information Disclosure Statement & PTO 144 (____ pgs) ☐ Check No. _____
- ☐ Issue Fee Transmittal Amt _____
- ☐ Notice of Appeal
- ☐ Petition for Extension of Time
- ☐ Petition for _____
- ☐ Postcard
- ☒ Power of Attorney (4 pgs)
- ☐ Preliminary Amendment (____ pgs)
- ☐ Reply Brief (____ pgs)
- ☐ Response to Notice of Missing Parts
- ☐ Small Entity Declaration for Indep Inventor/Small Business
- ☐ Transmittal Letter, in duplicate
- ☐ Fee Transmittal, in duplicate

Other: Express Mail Certificate of Mailing

AMAT No.: 4730/TCG/TPG/OTHER/LE

EL672746836US